

## ABSTRACT OF THE DISCLOSURE

A multibeam light source includes a plurality of semiconductor laser arrays, and a deflector. A sub-scanning beam pitch is defined by a distance between an arbitrary point on a line connecting focuses of a preceding array and a point that corresponds to the arbitrary point on a line connecting focuses of an adjoining array. The sub-scanning beam pitch is set as  $P - (A / VM) \cdot VS + C$ , where P is a recording density interval on the recoding medium, VM is a main scanning velocity, VS is a sub-scanning velocity, A is an interval between the focuses on the recording medium in a main scanning direction, and C is a correction amount of the beam pitch.